B. AMENDMENTS TO THE CLAIMS

1. Cancelled.

2. (Currently amended) The process of Claim ~~1~~ 25 wherein said compound is a triethanolamine, sulfolane, tetraethylenepentamine, diethylglycoldibenzonate or a glycol.

3. (Currently amended) The process of Claim ~~1~~ 25 wherein the mixture further includes a micropore forming agent.

4. (Currently amended) The process of Claim 3 wherein said micropore forming agent is a quaternary ammonium ~~salt~~ cation.

5. (Original) The process of Claim 3 wherein the inorganic oxide is an amorphous silicate.

6. (Currently amended) The process of Claim ~~5~~ 2 wherein said compound is a glycol.

7. (Currently amended) The process of Claim ~~5~~ 6 wherein the glycol has a boiling point of at least 150°C.

8. (Currently amended) The process of Claim 5 wherein the heating includes maintaining the mixture at about the boiling point of water to evaporate water and volatile organics from the inorganic oxide ~~precursor therefrom~~, followed by calcining at a temperature of above 300°C.

9. (Currently amended) The process of Claim ~~1~~ 25 wherein the inorganic ~~material~~ oxide is a silicate material selected from the group consisting of tetraethyl orthosilicate, fumed silica, sodium silicate and silica sol.

10. (Original) The process of Claim 7 wherein the glycol is selected from the group consisting of glycerol, diethylene glycol, triethylene glycol and tetraethylene glycol.

11. (Currently amended) The process of Claim 10 wherein the mixture additionally contains a source of ions selected from the group consisting of IVA, VB, VIB, VIIB, VIII, IB, IIB and IIIA elements.

12. (Original) The process of Claim 10 wherein the mixture additionally contains a source of aluminium ions.

13. (Currently amended) The process of Claim ~~1~~ 25 wherein the inorganic oxide comprises alumina.

14. Cancelled.

15. (Currently amended) The process of Claim ~~14~~ 25 wherein the average particle size of the zeolite is from 5 to 1500 nanometers.

16. Cancelled.

17. (Currently amended) The product of Claim ~~16~~ 27 wherein the BET surface area is from 50 to 1250 m^2/g.

18. (Currently amended) The product of Claim ~~16~~ 27 wherein the combined micro- and mesopore volume is from 0.3 to 2.2 ml/g.

19. (Currently amended) The product of Claim ~~16~~ 27 wherein the pore size distribution of the mesopores produces a pore size distribution plot in which the ratio of the width of the plot at half the height of the plot to the pore size at the maximum height of the plot is no greater than 0.75.

20. (Currently amended) The product of Claim ~~16~~ 27 wherein a pore size distribution plot of mesopores and micropores includes distinct mesopore and micropore peaks.

Claims 21-24 have been cancelled.

25. (New) A process for producing an inorganic oxide that contains micro- and mesopores, comprising:

heating a mixture comprising water, an inorganic oxide, a crystalline zeolite in finely divided form, and at least one compound that binds to the inorganic oxide by hydrogen bonding, said heating being to a temperature and for a time to produce an inorganic oxide that contains both micropores and mesopores.

26. (New) The process of Claim 25 wherein said compound is triethanolamine.

27. (New) A product comprising:

an inorganic oxide and zeolite beta, said product including mesopores and micropores, said micropores being present in an amount of from 3% to 60%, by pore volume, based on micropores and mesopores.

28. (New) A process for producing an inorganic oxide that contains mesopores and a substantial amount of micropores, comprising:

heating a mixture comprising water, an inorganic oxide, a crystalline zeolite, and at least one compound that binds to the inorganic oxide by hydrogen bonding, said heating being to a temperature below the temperature at which there is

substantial formation of mesopores, and removing said at least one compound at a temperature below the temperature at which there is substantial formation of mesopores to produce an inorganic oxide that contains mesopores and a substantial amount of micropores.

29. (New) The process of Claim 28 wherein said zeolite is zeolite beta.

30. (New) The process of Claim 28 wherein the mixture additionally contains a source of ions selected from the group consisting of IVA, VB, VIB, VIIB, VIII, IB, IIB, and IIIA elements.

31. (New) The process of Claim 28 wherein the mixture additionally contains a source of aluminum ions.

32. (New) The product of Claim 27 wherein the inorganic oxide comprises alumina.

33. (New) The process of Claim 28 wherein the inorganic oxide comprises alumina.

34. (New) The product of Claim 27 wherein the average particle size of the zeolite beta is from 5 to 1500 nanometers.

35. (New) The process of Claim 28 wherein the average particle size of the zeolite is from 5 to 1500 nanometers.